### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1. **Product identifier**
   - Product form: Mixture
   - Product name: AGREE 50 WG
   - Product code: CUSA 104 C1076
   - Type of formulation: Water dispersible (WG)
   - Active Ingredient: *Bacillus thuringiensis*

2. **Relevant identified uses of the substance or mixture and uses advised against**
   2.1. **Main use category**
      - Plant protection product for professional use. Agriculture.
   2.1.2. **Use of the substance/mixture**
      - Insecticide.
   2.2. **Uses advised against**
      - No additional information available.

3. **Details of the supplier of the safety data sheet**
   - **Supplier:**
     Certis U.S.A., LLC
     9145 guilford Road, Suite 175
     Columbia, Maryland 21046
     U.S.A
   - **Distributor:**
     CERTIS UK
     Suite 5, 3 Riverside
     Granta Park
     Great Abington
     Cambridgeshire CB21 6AD
     United Kingdom
     Tel: +44 (0)845 373 0305
     Fax: +44 (0)1223 891210
     Email: certis@certiseurope.co.uk
     Website: www.certiseurope.co.uk

4. **Emergency telephone number**
   - Emergency number: Certis Carechem24 multilingual 24 hours emergency number: +44 (0) 870 190 6777.
     For further advice for medical professionals:
     The National Poisons Information Service: +44 (0) 870 600 6266.
     For further advice for veterinary surgeons: +44 (0) 20 7635 9195
     **Dublin** - National Poisons Information Centre, Beaumont Hospital, Dublin 9:
     Available from 8 am to 10 pm - 7 days: +353 (01) 809 2166
     Available 24hrs: +353 (01) 809 2566
SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317

Full text of hazard classes and H-statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

- GHS07

Signal word (CLP): Warning

Hazard statements (CLP):

- H317 - May cause an allergic skin reaction.

Precautionary statements (CLP):

- P101 - If medical advice is needed, have product container or label at hand.
- P102 - Keep out of reach of children.
- P261 - Avoid breathing dust.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 - IF ON SKIN: Wash with plenty of water.
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.
- P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

EUH-statements:

- EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

Micro-organisms may have the potential to provoke sensitising reactions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. thuringiensis subsp. aizawai strain GC91 (Bta)</td>
<td>(CAS No) 68038-71-1</td>
<td>70 - 90</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Sodium polynaphthalenesulfonate</td>
<td>(CAS No) 9084-06-4</td>
<td>10 - 20</td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16.
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation:
IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist call a doctor.

First-aid measures after skin contact:
IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

First-aid measures after ingestion:
IF SWALLOWED: immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact:
May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water spray
Dry chemical powder
Alcohol resistant foam
Carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

No additional information available.

5.3. Advice for firefighters

Firefighting instructions:
Exercise caution when fighting any chemical fire
Fight fire from safe distance and protected location
Do not breathe fumes
Cool closed containers exposed to fire with water spray
If possible, take the containers out of dangerous zone.
Contain fire-fighting water with dikes or absorbents to prevent migration and entry into sewers or streams.

Protection during firefighting:
Wear suitable protective clothing, gloves, eye/face protection and respiratory protection
Wear a self-contained breathing apparatus.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection.

Emergency procedures: Evacuate area

Ensure adequate ventilation

Avoid direct contact with the substance

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Clean up any spills as soon as possible

Collect spilled material with shovels, buckets and place in closed containers and label properly

Remove according to national or local legislation

In the event of major spillage: Contact an expert.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid breathing dust, mist or spray.

Wear suitable protective clothing, gloves and eye/face protection.

Wear respiratory protection.

Avoid contact with open wounds.

Avoid contact with skin.

Hygiene measures: Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Contaminated work clothing should not be allowed out of the workplace.

Do not drink, eat or smoke in the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Provide adequate ventilation.

Storage conditions: Store in a dry place.

Keep in original containers, tightly closed.

Keep locked up and out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Bioinsecticide. For agricultural use. Refer to the label.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Exposure controls

| Materials for protective clothing | Impervious protective clothing. |
| Hand protection                  | Nitrile-rubber protective gloves. |
| Eye protection                   | Safety glasses. |
| Skin and body protection         | Protective clothing with long sleeves, gloves and boots. |
| Respiratory protection           | Disposable filtering facepeice respirator to at least EN149 FFP3 or equivalent. |
| Hygiene measures                 | Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke while handling the product. Clean gloves with soap and water before removing. Wash hands and face with soap and water before eating, drinking smoking and immediately after handling product. Clean equipment, premises and work clothes regularly. Work clothing should remain on the work area and stored separately from street clothes. |

Environmental exposure controls : Discharge into the environment must be avoided. Do not contaminate surface and groundwater.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state     | Solid |
| Appearance         | Granules. |
| Colour             | Brown. |
| Odour              | Fishmeal odour |
| pH                 | 5.5 – 6.5 |
| Melting point      | Not applicable |
| Boiling point      | Not relevant |
| Flash point        | Not relevant |
| Auto-ignition temperature | The product is not flammable |
|                    | The temperature of auto-flammability was found to be > 400 °C |
| Flammability (solid, gas) | Non flammable |
| Solubility         | Negligible. |
| Viscosity, kinematic | Not applicable. |
| Viscosity, dynamic | Not applicable. |
| Explosive properties | It is not explosive |
| Oxidising properties | No oxidising properties. |

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is stable at normal handling and storage conditions.

10.2. Chemical stability
The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions
Is not explosive and does not exhibit oxidant properties.
10.4. Conditions to avoid
Avoid exposure to moisture. Exposure to excessive heat or open flame.

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
No know hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

AGREE 50 WG
LD50 oral rat: > 5000 mg/kg

Skin corrosion/irritation: No signs of dermal irritation, no oedema or erythema, were observed even after 24h dermal exposure (rabbit).

Serious eye damage/irritation: Mildly and reversibly irritating to the rabbit eye (classification criteria are not met).

Respiratory or skin sensitisation: Serious erythema with eschar was observed (Guinea pig, Magnusson & Kligman modified test).

Germ cell mutagenicity: The Technical Grade Active Ingredient is not mutagenic according to Salmonella reverse mutation assay and according to the mutagenicity test run on Chinese hamster ovary cells.

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Bacillus thuringiensis strain SA-11
LC50 Fishes (Onconorhynchus mykiss): > 41.5 mg/l (30 days semi-static)
EC50 (Daphnia magna): > 41.5 mg/l = 1.0 x 10^6 CFU/mL (48h, static)
ErC50 Algae (Selenastrum capricornutum): > 42 mg/l (72h)
LC50 (Eisenia fetida): > 1000 mg/kg
LD50 oral (Apis mellifera): 428.66 µg/bee
LD50 contact (Apis mellifera): 320 µg/bee

12.2. Persistence and degradability

AGREE 50 WG
Persistence and degradability: Bacillus thuringiensis subspecies kurstaki (Btk) shows a rapid loss of activity in response to UV light.
12.3. Bioaccumulative potential

AGREE 50 WG

| Bioaccumulative potential | Btk is not pathogenic and does not reproduce in living organisms other than target Lepidopteran larvae. |

12.4. Mobility in soil

AGREE 50 WG

| Ecology - soil | Low based on scientific data for Btk |

12.5. Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This mixture contains no substance considered to be very persistent and very bioaccumulative (vPvB).

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances
### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of H- and EUH-statements:

| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Sensitisation — Skin, Category 1 |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| EUH401 | To avoid risks to human health and the environment, comply with the instructions for use |